

## CLAIMS:

1. A system for driving inertia-prone picture-reproducing devices, in particular liquid-crystal displays, in which a correcting value depending on changes in the video signals from frame to frame is added to incoming video signals to compensate for the inertial effects and in which the corrected video signals are passed to the picture-reproducing device,

5 characterized

- in that, to form the correcting value, a model (6, 7, 8, 9) of the picture-reproducing device is provided that has a state variable as an output variable, the video signals as a first input variable and the state variable from a preceding frame as a second input variable, and

- in that, furthermore, to derive the correcting value, a function (4, 8, 9) having the incoming 10 video signals and the state variable of the preceding frame serves as input variables and the corrected video signals as an output variable.

2. A system as claimed in claim 1, characterized in that the function is stored in a table.

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3. A system as claimed in either claim 1 or 2, characterized in that the corrected video signals are the first input variable of the model (6).

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4. A system as claimed in either claim 1 or 2, characterized in that the incoming video signals are the first input variable and in that the model (7) includes a derivation of the correcting value.

5. A system as claimed in either claim 1 or 2, characterized in that the model and the table for deriving the correcting value are combined in a common table (8).

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6. A system as claimed in claim 5, characterized in that the common table (9) furthermore contains an addition of the incoming video signals and the correcting value.

7. A system as claimed in any one of the preceding claims, characterized in that interpolation nodes of the input and output variables are stored in the model (6, 7, 8, 9) and in that means are provided for interpolating between the interpolation nodes.